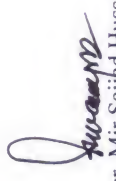



**MAIN SUMMARY**


S. No.	Description	M/s G.A Electric Store, Khairpur	M/s Gul Traders, Hyderabad
1.	Section-1: Wiring for Light & Fan Load (Scheduled Items)	Rs. 1,366,184.20	Rs. 1,354,406.75
2.	Section-1: Wiring for Light & Fan Load (Non- Scheduled Items)	Rs. 43,670.00	Rs. 41,640.00
3.	Section-3: Light Fittings & Fixtures (Scheduled items)	Rs. 11,083.80	Rs. 10,988.25
4.	Section-4: Light Fittings & Fixtures (Non-Scheduled items)	Rs. 1,626,100.00	Rs. 1,582,000.00
5.	Section-5: Distribution Boards & Feeders (Scheduled items)	Rs. 419,804.00	Rs. 416,185.00
6.	Section-6: Distribution Boards & Feeders (Non-Scheduled items)	Rs. 317,700.00	Rs. 299,800.00
7.	Section-7: Earthing (Non-Scheduled Items)	Rs. 168,915.00	Rs. 161,870.00
8.	Section-8: Installation & Wiring of Computer Network System & Multi-Outlet Boxes (Scheduled)	Rs. 32,190.00	Rs. 31,912.50
9.	Section-9: Installation & Wiring of Computer Network System and Multi-Outlet Boxes(Non-Scheduled)	Rs. 156,545.00	Rs. 152,125.00
10.	Section-10: Installation & Wiring of Multimedia Projector & Screen (Non-Scheduled Items)	Rs. 235,000.00	Rs. 225,000.00
11.	Section-11: CC-TV SYSTEM INSTALLATION (Non-Scheduled Items)	Rs. 992,150.00	Rs. 954,925.00
12.	Section-12 FIRE ALARM SYSTEM INSTALLATION (Non-Scheduled Items)	Rs. 1,587,900.00	Rs. 1,535,000.00
13.	Section-13: PUBLIC ADDRESS SYSTEM INSTALLATION (Scheduled Items)	Rs. 125,412.24	Rs. 124,331.10
14.	Section-14:PUBLIC ADDRESS SYSTEM INSTALLATION (Non-Scheduled Items)	Rs. 896,300.00	Rs. 862,500.00
15.	Section-15: PORTABLE ECHO SOUND SYSTEM (Non-Scheduled Items)	Rs. 1,162,000.00	Rs. 1,125,000.00
16.	Section-16: External Electrification (Scheduled Items)	Rs. 52,341.52	Rs. 51,890.30
17.	Section-17: External Electrification (Non-Scheduled Items)	Rs. 16,930.00	Rs. 15,050.00
18.	Section-18: Light Fittings & Fixtures (Non-Scheduled items)	Rs. 2,290,300.00	Rs. 2,229,000.00

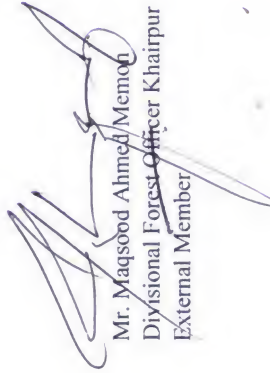
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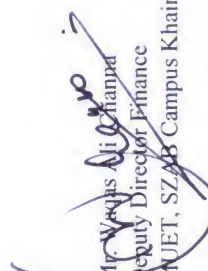
19.	Section-19: WATER PUMP MOTOR (Scheduled Items)	Rs.	11,355.24	Rs.	11,257.35
20.	Section-20: WATER PUMP MOTOR (Non-Scheduled Items)	Rs.	38,000.00	Rs.	36,900.00
21.	Section-21: DISTRIBUTION BOARDS (Scheduled Items)	Rs.	210,396.16	Rs.	208,582.40
22.	Section-22: DISTRIBUTION BOARDS (Non-Scheduled Items)	Rs.	736,500.00	Rs.	692,000.00
23.	Section-23: MAIN FEEDERS & CABLES(Non-Scheduled Items)	Rs.	1,092,000.00	Rs.	1,050,000.00
24.	Section-24: AC Equipment & Installation (Non-Scheduled Items)	Rs.	4,800,500.00	Rs.	4,740,000.00
25.	Section-25: Wiring for the supply of AC units (Scheduled Items)	Rs.	130,291.20	Rs.	129,168.00
26.	Section-26: Wiring for the supply of AC units (Non-Scheduled Items)	Rs.	57,086.00	Rs.	54,380.00
<b>TOTAL AMOUNT IN RS.</b>		Rs.	<b>18,576,654.36</b>	Rs.	<b>18,095,911.65</b>


  
 Engr. Mir Sajjad Hussain Talpur  
 Principal PTF/GCT, Khairpur Mir's  
 External Member

  
 Prof. Dr. Naveed Raza Shah  
 Chairman Civil Engg. Deptt:  
 MUET, SZAB Campus Khairpur Mir's / Member

  
 Mr. Ghulam Mujtaba Abbasi  
 Executive Engineer (Electrical)  
 SALU, Khairpur Mir's / External Member

  
 Mr. Maqsood Ahmed/Memon  
 Divisional Forest Officer Khairpur  
 External Member

  
 Mr. Naveed Ali Khan  
 Deputy Director Finance  
 MUET, SZAB Campus Khairpur Mir's/Member

  
 Engr. Naveed Ali Brohi  
 Assistant Engineer (Electrical)  
 MUET, SZAB Campus Khairpur Mir's  
 / Member / Secretary

Engr. Sajjad Hussain Memon  
 Project Director, MUET, Shaheed Z.A Bhutto Campus, / Khairpur Mir's/ Convener



# COMPARATIVE STATEMENT

S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-1: Wiring for Light & Fan Load (Scheduled Items)							
1.	Providing & Laying of wiring for light or fan point with 2-3/0.029 PVC insulated cable in 20mm dia (3/4") PVC conduit recessed in wall or column as required. (ESI # 124 Page #15).	473	P. Point	1,130.00	534,490.00	1,130.00	534,490.00
2.	Providing & Laying of wiring for plug point with 2-3/0.029 S/C, PVC insulated cable in 20mm dia (3/4") PVC conduit recessed in the wall or column as required. (ESI # 126 Page # 15)	20	P. Point	985.00	19,700.00	985.00	19,700.00
3.	Providing & Laying of wiring for Call Bell with 2-3/0.029 PVC Insulated wire in 20 mm (3/4") PVC Conduit recessed in wall or column as required. (ESI# 128, P#15)	2	P. Point	1,764.00	3,528.00	1,764.00	3,528.00
4.	Providing & Laying (Mains or Sub-Mains) PVC Insulated with size 2-7/0.029 wire copper conductor in (3/4" dia) PVC Conduit recessed in wall or column as required. (Lighting Circuit), (ESI#10, P#2)	1624	Mtr.	222.00	360,528.00	222.00	360,528.00
5.	Providing & Laying (Mains or Sub-Mains) PVC Insulated with size 2-7/0.036 wire copper conductor in (3/4" dia) PVC Conduit recessed in wall or column as required. (Power Circuit), (ESI # 11, P # 2)	132	Mtr.	252.00	33,264.00	252.00	33,264.00
6.	Providing & Laying (Mains or Sub-Mains) PVC Insulated with size 2-7/0.044 (6mm2) wire copper conductor in (3/4" dia) PVC Conduit recessed in wall or column as required. (Lighting Circuit), (ESI#12, P#2)	48	Mtr.	341.00	16,368.00	341.00	16,368.00
7.	Providing & Laying (Mains or Sub-Mains) PVC Insulated with size 2-7/0.052 (10mm2) wire copper conductor in (3/4" dia) PVC Conduit recessed in wall or column as required. (Power Circuit), (ESI # 13, P # 2)	410	Mtr.	463.00	189,830.00	463.00	189,830.00
8.	Providing & fixing two pin 5amp plug and socket. (ESI # 222, Page # 33)	15	No.	80.00	1,200.00	80.00	1,200.00
9.	Providing and fixing of two pin 5 Amps S.P. plug & socket Flush type. (ESI # 225 Page #33)	12	No.	83.00	996.00	83.00	996.00







S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
10.	Providing and fixing of flush type, 2/3 pin, 5 Amps, S.P, plug socket, switch. (ESI # 226 Page # 33).	57	No.	151.00	8,607.00	151.00	8,607.00
11.	Providing and fixing of flush type, 3 pin, 15 Amps, S.P, plug socket, switch. (ESI # 227 Page # 33).	57	No.	162.00	9,234.00	162.00	9,234.00
COST OF SECTION-1 (Scheduled Item)				Total	1,177,745.00	Total	1,177,745.00
Premium above/below on the Scheduled Itmes				16% Above	188,439.20	15% Above	176,661.75
				Total	1,366,184.20	Total	1,354,406.75

#### Section-2: Wiring for Light & Fan Load (Non-Scheduled Items)

1.	Providing & fixing of Call Bells, installed at the marked places in the drawings. (Call Bell of M/s Opal/Clipsal or equivalent quality, as approved by Engineer Incharge)	2	No.	525.00	1,050.00	520.00	1,040.00
2.	Providing & fixing one way Call Bell Press Buttons on a given prepared board (Call Bell Press of M/s Chint Electric or equivalent quality, as approved by Engineer Incharge).	2	No.	250.00	500.00	200.00	400.00
3.	Providing and fixing of S.P 10 A Switches with fancy sheets to house plug-socket, switch or regulator etc. on a given prepared board (Approx. Quantity)						
4.	Size 78 mm x 83 mm x 56 mm (LxWxD) Providing and fixing of Plastic Back Box to accommodate mains or sub mains switches, plug socket units, Door Bell Buttons etc. on a given prepared board, recessed in the wall, as required. (Approx Quantity)	84	No.	305.00	25,620.00	300.00	25,200.00
	Size 78 mm x 83 mm x 56 mm (LxWxD)	150	No.	110.00	16,500.00	100.00	15,000.00
COST OF SECTION-2 (Non-Scheduled Item)				Total	43,670.00	Total	41,640.00

#### Section-3: Light Fittings & Fixtures (Scheduled items)

1.	Providing installing and connecting of Millat/Asia/Pak Fan make (or to be approved by EI), 56" sweep ceiling fan complete with fan dimer, canopy, down rod, etc. including fixing of fan dimmers in the given and making holes on both side of down rod and wiring it with 1.5 mm twin core., 450/750 V grade pvc/pvc + 1-1.5mm ECC and also providing of 16 mm dia mild steel fan hook on R.C.C roof or beam as required. Complete in all respect with all accessories (ESI # 235, P # 34)	3	No.	3,185.00	9,555.00	3,185.00	9,555.00
COST OF SECTION-3 (Scheduled Item)				Total	9,555.00	Total	9,555.00
Premium above/below on the Scheduled Itmes				16% Above	1528.8	15% Above	1433.25
				Total	11,083.80	Total	10,988.25



S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)

**Section-4: Light Fittings & Fixtures (Non-Scheduled items)**

1.	Providing, installing, fixing and connecting of following light fixtures with lamps, chokes, starters, capacitors etc, complete with all internal connections and all fixing and mounting accessories. Jobs includes rod and wiring as given in drawing.						
1.1	Pierlite Make Smart LED Panel 2x2 40W or equivalent quality, as approved by Engineer Incharge.	2	No.	15,500.00	31,000.00	15,000.00	30,000.00
1.2	Pierlite Make DJ-403h with CFL or equivalent quality, as approved by Engineer Incharge.	3	No.	1,600.00	4,800.00	1,500.00	4,500.00
1.3	Pierlite Make DJ-403h with CFL or equivalent quality, as approved by Engineer Incharge.	13	No.	1,600.00	20,800.00	1,500.00	19,500.00
1.4	Pierlite Make LED Batten 18W or equivalent quality, as approved by Engineer Incharge.	14	No.	2,100.00	29,400.00	2,000.00	28,000.00
1.5	Pierlite Make LED BATTEN 10W or equivalent quality, as approved by Engineer Incharge.	10	No.	1,600.00	16,000.00	1,500.00	15,000.00
1.6	Pierlite Make Splinter Gen II 20W or equivalent quality, as approved by Engineer Incharge.	22	No.	5,000.00	110,000.00	5,000.00	110,000.00
1.7	Pierlite Make Splinter Gen II 20W or equivalent quality, as approved by Engineer Incharge.	130	No.	5,000.00	650,000.00	5,000.00	650,000.00
1.8	Pierlite Make Splinter Gen II 25W or equivalent quality, as approved by Engineer Incharge.	10	No.	5,000.00	50,000.00	5,000.00	50,000.00
1.9	Pierlite Make LED 33365 22W - IP20 or equivalent quality, as approved by Engineer Incharge.	2	No.	5,500.00	11,000.00	5,000.00	10,000.00
1.10	Pierlite Make P.5090-L inground light 3W LED or equivalent quality, as approved by Engineer Incharge.	12	No.	5,000.00	60,000.00	5,000.00	60,000.00
1.11	Pierlite Make RS291, 28W, or equivalent quality, as approved by Engineer Incharge.	8	No.	21,000.00	168,000.00	20,000.00	160,000.00
1.12	Pierlite Make SMDL-18W LED or equivalent quality, as approved by Engineer Incharge.	16	No.	5,100.00	81,600.00	5,000.00	80,000.00
1.13	Pierlite Make P.1882- 6.5 W or equivalent quality as approved by Engineer Incharge.	4	No.	6,500.00	26,000.00	7,500.00	30,000.00
1.14	Pierlite Make FCG 302 60W TL-5 CIRCULAR, or equivalent quality, as approved by Engineer Incharge.	2	No.	10,500.00	21,000.00	10,000.00	20,000.00
1.15	Pierlite Make Star Flood Pro 180W or equivalent quality, as approved by Engineer Incharge.	6	No.	55,000.00	330,000.00	50,000.00	300,000.00

*[Handwritten signatures and initials]*

S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
1.16	MalitWahid/Pak Fan make or equivalent quality, as approved by Engineer Incharge 8" sweep capacitor with shutter, 2 way option plastic exhaust fan complete with capacitors including making of hole in wall to accommodate the fan & repairing good the damages.	5	Nos.	3,300.00	16,500.00	3,000.00	15,000.00
	<b>TOTAL COST OF SECTION-4: (Non-Scheduled)</b>		<b>Rs:</b>	<b>Total</b>	<b>1,626,100.00</b>	<b>Total</b>	<b>1,582,000.00</b>

#### Section-5: Distribution Boards & Feeders (Scheduled items)

1.	Providing, installing connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C Power Supply Complete with copper cable lugs, glands, neutral link, earth block, terminal block etc. & having following configurations. (All equipment rated to 5 kA short circuit rating and 50 °C ambient temperature at 415V). Panel enclosure to comply with IP-50.						
1.1	<b>LDB-1</b> <b>Incoming</b> 01 - 20 A, T.P M.C.C.B (XS-100NS) (ESI # 207, P # 31). 03 - Providing & fixing Digital ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41) 03 - Providing & fixing Digital voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	<b>Outgoing</b> 06 - 15 A, S.P, M.C.Bs (ESI # 203,P #31) 13 - 10 A, S.P, M.C.Bs.(ESI # 203,P #31) <b>SWB-1 for LDB-1</b> 06 - 15 A, S.P, M.C.Bs (ESI # 203, P#31) 10 - 10 A, S.P, M.C.Bs (ESI # 203,P #31)	3	No.	1,054.00	3,162.00	1,054.00	3,162.00
1.1.1		3	No.	999.00	2,997.00	999.00	2,997.00
	<b>LDB-2</b> <b>Incoming</b> 01 - 40 A, T.P M.C.C.B (XS-100NS) (ESI # 207, P # 31).	6	No.	916.00	5,496.00	916.00	5,496.00
		13	No.	916.00	11,908.00	916.00	11,908.00
1.2		6	No.	916.00	5,496.00	916.00	5,496.00
		10	No.	916.00	9,160.00	916.00	9,160.00
		1	No.	9,261.00	9,261.00	9,261.00	9,261.00










S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
1.2.1	03 - Providing & fixing Digital ammeter size 96/96mm Direct 50A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	3	No.	1,054.00	3,162.00	1,054.00	3,162.00
	03 - Providing & fixing Digital voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	3	No.	999.00	2,997.00	999.00	2,997.00
	<b>Outgoing</b>						
	24 - 10 A, S.P, M.C.B.s (ESI # 203, P#31)	24	No.	916.00	21,984.00	916.00	21,984.00
	01 - 30 A, S.P, M.C.B (ESI # 203, P #31)	1	No.	916.00	916.00	916.00	916.00
	<b>SWB-2 for LDB-2</b>						
	15 - 10 A, S.P, M.C.B.s (ESI # 203, P#31)	15	No.	916.00	13,740.00	916.00	13,740.00
	<b>DB-A/C</b>						
	<b>Incoming</b>						
	01 - 100 A, T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31).	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
1.3	02 - 40 A,T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31).	2	No.	9,261.00	18,522.00	9,261.00	18,522.00
	03 - Providing & fixing Digital ammeter size 96/96mm Direct 100A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	3	No.	1,054.00	3,162.00	1,054.00	3,162.00
	03-Providing & fixing digital voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	3	No.	999.00	2,997.00	999.00	2,997.00
	<b>Outgoing</b>						
	15-15 A, T.P(XS-30NS[NB]), M.C.B.s (ESI # 205, P # 31)	15	No.	5,301.00	79,515.00	5,301.00	79,515.00
	02-20 A, S.P, M.C.B.s (ESI # 203, P# 31)	2	No.	916.00	1,832.00	916.00	1,832.00
	<b>PDB (General Power)</b>						
	<b>Incoming</b>						
	01-200 A, T.P. MCCB (XS-100NS) (ESI # 207, P # 31).	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	03 - Providing and fixing Current Transformer rating 200/5A (round) RLC-30 as required and as per instruction of Engineer Incharge. (ESI # 272, Page # 39)	3	No.	1,411.00	4,233.00	1,411.00	4,233.00
1.4	03 - Providing & fixing Digital ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	3	No.	1,054.00	3,162.00	1,054.00	3,162.00








S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
	03- Providing & fixing digital voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	3	No.	999.00	2,997.00	999.00	2,997.00
	<b>Outgoing</b>						
	42-10 A, S.P, M.C.B.s (ESI # 203, P#31)	42	No.	916.00	38,472.00	916.00	38,472.00
	26-15 A, S.P, M.C.B.s (ESI # 203, P#31)	26	No.	916.00	23,816.00	916.00	23,816.00
2.	Providing laying & connecting of PVC/PVC 600/1000V grade copper conductor cables from Main Distribution Board (MDB) to the Distribution Boards (DBs), recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect with all fixing and termination accessories and entire satisfaction of consultant / owner.						
2.1	<b>LDB-1</b> Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 300/500 volts, size 2.5 mm <sup>2</sup> (Approx. length) (ESI # 98, P # 12).	10	Meter	252.00	2,520.00	252.00	2,520.00
2.2	<b>LDB-2</b> Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 300/500 volts, size 10 mm <sup>2</sup> (Approx. length) (ESI # 101, P # 12).	10	Meter	742.00	7,420.00	742.00	7,420.00
2.3	<b>DB-AC</b> Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 600/1000 volts, size 16 mm <sup>2</sup> (Approx. length) (ESI # 102, P # 12) for ACs at Basement as per drawing. (MDB to DB(AC))	5	Meter	1,300.00	6,500.00	1,300.00	6,500.00
2.3.1							
2.3.2	Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 600/1000 volts, size 16 mm <sup>2</sup> (Approx. length) (ESI # 102, P # 12) for ACs at G-I Floor as per drawing. (MDB to DB(AC))	5	Meter	1,300.00	6,500.00	1,300.00	6,500.00
2.3.3	Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 600/1000 volts, size 25 mm <sup>2</sup> (Approx. length) (ESI # 103, P # 12), for ACs at G-II Floor as per drawing. (MDB to DB(AC))	5	Meter	1,909.00	9,545.00	1,909.00	9,545.00
2.4	<b>PDB (General Power)</b>						



S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
	Providing & laying (Main or Sub-Main) PVC insulated & PVC sheathed with 4 core copper conductor, 600/1000 volts, size 95 mm <sup>2</sup> (Approx. length) (ESI # 107, P # 12).	5	Meter	6,529.00	32,645.00	6,529.00	32,645.00
	<b>TOTAL COST OF SECTION-5: (Scheduled Items)</b>		<b>Rs.</b>	<b>Total</b>	<b>361,900.00</b>	<b>Total</b>	<b>361,900.00</b>
	<b>Premium above/below on the Scheduled Items</b>			<b>16% Above</b>	<b>57,904.00</b>	<b>15% Above</b>	<b>54,285.00</b>
				<b>Total</b>	<b>419,804.00</b>	<b>Total</b>	<b>416,185.00</b>

#### Section-6: Distribution Boards & Feeders (Non-Scheduled items)

1.	Providing, installing connecting & commissioning of the following items on Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C power supply complete with copper cable lugs, glands, neutral link, earth block, terminal block etc. & having following configuration. (All equipment rated to 5 KA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-50.						
1.1	<b>LDB-1 (Cost of LDB-1)</b>	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	<b>Incoming</b>						
	03-Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent quality, as approved by Engineer Incharge.	3	No.	250.00	750.00	200.00	600.00
	03-Control fuse with base 2A Model VLC-10 ETI Slovenai or equivalent quality, asapproved by Engineer Incharge.	3	No.	600.00	1,800.00	500.00	1,500.00
1.1.1	<b>SWB-1 for LDB-1</b>						
	Control Switchboard, fabricated of 16 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, compromising of MCB for ON/OFF function, with indication lamps and clearly marked labels, for switching of lightning circuits having following configuration panel enclosure to comply with IP-50.	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	<b>16- ON/OFF (Red, Green) Indication Lamps 220V make Maruyasu/Lovato, Italy/Japan or equivalent quality, as approved by Engineer Incharge.</b>	32	No.	250.00	8,000.00	200.00	6,400.00
1.2	<b>LDB-2 (Cost of LDB-2)</b>	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	<b>Incoming</b>						






S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
1.2.1	03-Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent quality, as approved by Engineer Incharge.	3	No.	250.00	750.00	200.00	600.00
	03-Control fuse with base 2A Model CH-10 ETI Slovenai or equivalent quality, as approved by Engineer Incharge.	3	No.	600.00	1,800.00	500.00	1,500.00
1.3	<b>SWB-2 for LDB-2</b> Control Switchboard, fabricated of 16 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, comprising of MCB for ON/OFF function, with indication lamps and clearly marked labels, for switching of lightning circuits having following configuration panel enclosure to comply with IP-50.	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	15- ON/OFF (Red, Green) Indication Lamps 220V make Maruyasu/Lovato, Italy/Japan or equivalent quality, as approved by Engineer Incharge.	30	No.	250.00	7,500.00	200.00	6,000.00
1.4	<b>DB - A/C (Cost of DB-A/C)</b> <b>Incoming</b> 01-Providing and fixing Digital ammeter model: M4W-AA, make Autonics Korea or equivalent quality, as approved by Engineer Incharge, size 96/96 mm C.T operated 0-200A as required and as per instruction of Engineer Incharge (EI).	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	01-Ammeter Selector Switch (4 Steps), PK9054E Make K&N (Newzealand) or equivalent quality, as approved by Engineer Incharge.	1	No.	4,200.00	4,200.00	4,000.00	4,000.00
1.4	03-Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent quality, as approved by Engineer Incharge.	3	No.	250.00	750.00	200.00	600.00
	03-Control fuse with base 2A Model CH-10 ETI Slovenai or equivalent quality, as approved by Engineer Incharge.	3	No.	500.00	1,500.00	500.00	1,500.00
1.4	<b>PDB (General Power) (Cost of PDB)</b> <b>Incoming</b> 03-Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent quality as approved by Engineer Incharge.	1	No.	26,000.00	26,000.00	25,000.00	25,000.00
	03-Control fuse with base 2A Model CH-10 ETI Slovenai or equivalent quality, as approved by Engineer Incharge.	3	No.	250.00	750.00	200.00	600.00
1.4	03-Control fuse with base 2A Model CH-10 ETI Slovenai or equivalent quality, as approved by Engineer Incharge.	3	No.	600.00	1,800.00	500.00	1,500.00

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S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
2.	Providing and installing of PVC Consumer (Plastic DB) for 7 Module Model: E4C7E, Make: Clipsal or equivalent quality as approved by EI for circuit breaker housing for General Power Outlets, cubical design above or below the respective Power Outlets (as per detail in Sch. Drawings).	17	No.	1,600.00	27,200.00	1,500.00	25,500.00
3.	Providing laying & connecting of hard drawn Copper wire from Main LT Panel to the Distribution Boards (DBs) in PVC conduit a detail below recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect and entire satisfaction of consultant / owner.						
3.1	<b>LDB-1</b> Providing & laying of hard drawn bare copper conductor size 2-10 mm <sup>2</sup> as E.C.C with wiring of LDB-1 in 31.25 mm (1.25") dia rigid PVC conduit recessed in wall/ground/floor as required.	17	Meter	600.00	10,200.00	500.00	8,500.00
3.2	<b>LDB-2</b> Providing & laying of hard drawn bare copper conductor size 2-10 mm <sup>2</sup> as E.C.C with wiring of LDB-2 in 31.25 mm (1.25") dia rigid PVC conduit recessed in wall/ground/floor as required.	19	Meter	600.00	11,400.00	500.00	9,500.00
3.3	<b>DB-A/C</b> Providing & laying of hard drawn bare copper conductor size 2-95 mm <sup>2</sup> as E.C.C with wiring of DB-A/C in 3" dia rigid PVC conduit recessed in wall/ground/floor as required.	13	Meter	3,000.00	39,000.00	3,000.00	39,000.00
3.4	<b>PDB (General Power)</b> Providing & laying of hard drawn bare copper conductor size 2-70 mm <sup>2</sup> as E.C.C with wiring of PDB in 3" dia rigid PVC conduit recessed in wall/ground/floor as required.	13	Meter	2,600.00	33,800.00	2,500.00	32,500.00
	<b>TOTAL COST OF SECTION-6: (Non-Scheduled Items)</b>			(Rs).	317,700.00	Total	299,800.00

Engineer  
 Quantity Surveyor  
 Architect  
 Client  
 Contractor

S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-7: Earthing (Non-Scheduled Items)							
1.	Providing, marking and testing of earth points with 2' x 2' x 1/8" thick copper plate buried 5 meter deep or to the depth of permanent water level whichever is less covered with charcoal and lime in specified ratio conforming to specificatin and drawing.	1	Job	32,000.00	32,000.00	30,000.00	30,000.00
2.	Providing drawing, connecting & testing of 2- 150mm² bare copper conductor as earthing leads in 32 mm dia G.I pipe buried in ground or connected in R.C.C or masonry as required from Panel Board to the earth plate including making of 18"x18" cement concrete chamber duly plastered and cover with R.C.C Slab, including, providing & fixing of plug for watering, complete with all accessories and fasteners and as per drawing & specification.	1	Job	6,000.00	6,000.00	5,000.00	5,000.00
3.	Providing fixing and connecting of 200x200x5 mm thick copper earth terminal blocks.	1	Job	2,000.00	2,000.00	1,500.00	1,500.00
4.	Providing and fixing of bare copper conductor size 1-1.5mm² as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic electrical accessories. (Approx length)	1457	Meter	55.00	80,135.00	50.00	72,850.00
5.	Providing and fixing of bare copper conductor size 1-2.5mm² as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic electrical accessories. (Approx length)	132	Meter	62.00	8,184.00	60.00	7,920.00
6.	Providing and fixing of bare copper conductor size 1-4mm² as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic electrical ,accessories. (Approx length)	48	Meter	77.00	3,696.00	75.00	3,600.00
7.	Providing and fixing of bare copper conductor size 1-6mm² as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic electrical accessories. (Approx length)	410	Meter	90.00	36,900.00	100.00	41,000.00
	TOTAL COST OF SECTION-7: (Non-Scheduled Items)		(Rs.)	Total	168,915.00	Total	161,870.00










S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-8: Installation & Wiring of Computer Network System & Multi-Outlet Boxes (Scheduled)							
1.	Supply and Installation of 2-7/0.029 mm² Copper Conductor in 3/4" dia PVC conduit recessed in wall or column as required for Computer Power Supply (ESI # 10, P # 2)	125	MTR.	222.00	27,750.00	222.00	27,750.00
	Cost of Section-8: (Scheduled Items)		(Rs.)	Total	27,750.00	Total	27,750.00
	Premium above/below on the Scheduled Itmes			16% Above	4,440.00	15% Above	4,162.50
				Total	32,190.00	Total	31,912.50

<b>Section-9: Installation &amp; Wiring of Computer Network System and Multi-Outlet Boxes (Non-Scheduled)</b>							
1.	Providing and fixing of copper conductor size 1-1.5 mm <sup>2</sup> Copper Conductor as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic electrical accessories. (Approx. Length)	125	mtr.	51.00	6,375.00	50.00	6,250.00
2.	Supply and Installation of Schneider Digilink 6-port Fiber optic Patch Panel with 6 No's of SC Pigtails and 3 No's of SC Duplex Adaptors	1	mtr.	25,500.00	25,500.00	25,000.00	25,000.00
3.	Supply and Installation of Schneider Actassi 24 - Port CAT-6 UTP Patch Panel Built-in rear cable management, complete in all respect.	1	No.	25,500.00	25,500.00	25,000.00	25,000.00
4.	Supply and Installation of OEM 6U Wall Mounted Communication Rack.	1	No.	25,500.00	25,500.00	25,000.00	25,000.00
5.	Supply and Installation of Schneider Actassi 1U front cable organizer.	1	No.	3,000.00	3,000.00	3,000.00	3,000.00
6.	Supply and Installation of Schneider Actassi 4 Pair CAT-6 UTP 23AWG CM Rated, UL Listed Cable	127	mtr.	105.00	13,335.00	100.00	12,700.00
7.	Schneider Actassi 4-Pair CAT-6 UTP Patch Cord (3 Meter Each).	7	No.	1200.00	8,400.00	1,000.00	7,000.00
8.	Providing and laying of the 25 mm dia PVC conduits concealed with ceiling as required from the switch/patch panel to computer outlets. Complete in all respect with all required accessories.	66	mtr.	55.00	3,630.00	50.00	3,300.00
9.	Providing and Installing of Multioutlet Boxes on Floor/Wall of appropriate size for power and Computer Data Outlet (Multi-Outlet Box of M/s. Clipsal/Opal or equivalent as approved by EI).	7	No.	2,500.00	17,500.00	2,500.00	17,500.00








S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
10.	Providing and fixing of Plastic back box to accommodate Multi-Outlet Boxes for Power, Telephone and Data outlets, recessed in the wall, as required. (Approx. Quantity)						
	b) Size 78 mm x 83 mm x 56 mm (LxWxH)	21	No.	75	1,575.00	75.00	1,575.00
11.	Providing and laying 3" dia PVC conduit in ground before flooring of the auditorium building for computer data fibre cable incoming from Main Networking System of MUET to the Fibre Patch Panel at Ground Floor (as shown in the drawings).	86	mtr.	305.00	26,230.00	300.00	25,800.00
	<b>Cost of Section-9: (Non-Scheduled)</b>		(RS.)	<b>Total</b>	<b>156,545.00</b>	<b>Total</b>	<b>152,125.00</b>

Section-10: Installation & Wiring of Multimedia Projector & Screen (Non-Scheduled Items)							
1.	Providing and Installing of Panasonic Make Multimedia Projector, Model: PT-LB330 or equivalent as approved by EI (Complete in all respect).	1	No.	155,000.00	155,000.00	150,000.00	150,000.00
2.	Providing and Installing of Tripod Projector Screen 180x180 cm, Make Gaylord of Chinese origin (or equivalent as approved by EI), electrically operated. Complete in all respect & accessories including remote.	1	No.	55,000.00	55,000.00	50,000.00	50,000.00
3.	Providing and Installing of Ceiling Mounting Kit for Multimedia Projector complete in all respect & accessories including VGA cable, Power cable, A/V cable, 45 ft. with labour & Installation charges.	1	Job	25,000.00	25,000.00	25,000.00	25,000.00
	<b>Cost of Section-10: (Non-Scheduled Items)</b>		(RS.)	<b>Total</b>	<b>235,000.00</b>	<b>Total</b>	<b>225,000.00</b>









S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-11: CC-TV SYSTEM INSTALLATION (Non-Scheduled Items)							
1.	Supply and installation of Digital Video Recorder (DVR) 32 Channel Model: PR- 78632, Make Proline UK or equivalent as approved by EI. Complete in all respect with all accessories.	1	No.	315,000.00	315,000.00	300,000.00	300,000.00
2.	Supply and installation of Hard Disk (HDD) of 1-TB (Tera Byte) Capacity for DVR to record the CC-TV video.	1	No.	26,000.00	26,000.00	20,000.00	20,000.00
3.	Supply and installation of Samsung LED TV Screen 32" wide Model no. 4100-1366 768- HD LED TV Black or equivalent as approved by EI. Complete in all respect including VGA and Power Cable.	1	No.	52,000.00	52,000.00	50,000.00	50,000.00
4.	Supply and installation of Box Camera for Indoor monitoring Model: PR-671 Make: Proline UK or equivalent as approved by EI.	10	Nos.	12,000.00	120,000.00	12,000.00	120,000.00
5.	Supply and installation of Auto Iris Lens for Box Camera Model: PR-671 Make: Proline UK or equivalent as approved by EI.	10	Nos.	6,500.00	65,000.00	6,500.00	65,000.00
6.	Supply and installation of IR Night Vision Camera for Outdoor monitoring Model: PR- 668, Make: Proline UK or equivalent as approved by EI.	6	Nos.	16,500.00	99,000.00	16,000.00	96,000.00
7.	Supply and installation of Camera Housing for Outdoor Cameras.	6	Nos.	7,600.00	45,600.00	7,000.00	42,000.00
8.	Supply and installation of Camera Holders for both type of cameras PR-671 & PR-668.	16	Nos.	1000.00	16,000.00	1,000.00	16,000.00
9.	Supply and installation of Power Supply suitable for 16 Cameras.	1	Nos.	50,000.00	50,000.00	45,000.00	45,000.00
10.	Supply and installation of BNC Connectors for connecting Cameras to DVR.	33	Nos.	130.00	4,290.00	125.00	4,125.00
11.	Providing and wiring with Multi core Cable (containing wires for power and data) for CC TV System with Labour and Material.	492	Mtr.	405.00	199,260.00	400.00	196,800.00
TOTAL COST OF SECTION-11: (NonScheduled Items)				Total	992,150.00	Total	954,925.00








S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-12: FIRE ALARM SYSTEM INSTALLATION (Non-Scheduled Items)							
1.	Supply, Testing & Commissioning of Fire Alarm Panel with built-in Power Supply and battery backup. Complete in all respect with all accessories (Make Siemens FC2020-AA Fire control panel(2-loop) Model No.FC 2020 AA + FA2003-A1 or equivalent as approved by Engineer Incharge).	1	No.	550,000.00	550,000.00	500,000.00	500,000.00
2.	Supply, Testing & Commissioning of Optical Smoke Detector with base. Complete in all respect with all accessories (Make Siemens Model: FDO241, FDB221 or equivalent as approved by Engineer Incharge).	25	No.	15,500.00	387,500.00	15,000.00	375,000.00
3	Supply, Testing & Commissioning of Heat Detector (ASA) with base. Complete in all respect with all accessories (Make Siemens Model: FDT241, FDB221 or equivalent as approved by Engineer Incharge).	1	No.	15,500.00	15,500.00	15,000.00	15,000.00
4	Supply, Testing & Commissioning of Sounder Beacon with base. Complete in all respect with all accessories (Make Siemens Model:FDS229-A, FDB221 or equivalent as approved by Engineer Incharge).	10	No.	20,500.00	205,000.00	20,000.00	200,000.00
5	Supply, Testing & Commissioning of Manual Call points (Housing Red). Complete in all respect with all accessories (Make Siemens Model: FDMH291-R or equivalent as approved by Engineer Incharge).	12	Nos.	10,200.00	122,400.00	10,000.00	120,000.00
6	Supply, Testing & Commissioning of Fire Alarm System Cable. Complete in all respect.	350	Mtr.	450.00	157,500.00	500.00	175,000.00
7	Testing & Commissioning of Fire Alarm System.	1	Job	150,000.00	150,000.00	150,000.00	150,000.00
TOTAL COST OF SECTION-12: (Non-Scheduled Items)				Total	1,587,900.00	Total	1,535,000.00









S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-13: PUBLIC ADDRESS SYSTEM INSTALLATION (Scheduled Items)							
1.	Providing, laying & connecting the cable for column speakers size: 2.5 mm (2 core) ESI 10 Page 2)	487	Mtr.	222.00	108,114.00	222.00	108,114.00
TOTAL COST OF SECTION-13: (Scheduled Items)				Total	108,114.00	Total	108,114.00
Premium above/below on the Scheduled Items				16% Above	17,298.24	15% Above	16,217.10
				Total	125,412.24	Total	124,331.10

<b>Section-14: PUBLIC ADDRESS SYSTEM INSTALLATION (Non-Scheduled Items)</b>							
1.	Providing and Installing of Public Address Mixer Make TOA Japan Model: M-164 or equivalent as approved by Engineer Incharge. Complete in all respect with all accessories.	1	No.	88,000.00	88,000.00	85,000.00	85,000.00
2.	Providing and Installing of Power Amplifier Make: TOA Japan Model: A-1360 (360 Watts) or equivalent as approved by Engineer Incharge. Complete in all respect with all accessories.	2	No.	96,000.00	192,000.00	95,000.00	190,000.00
3.	Providing and Installing of Column Speakers with Aluminum enclosure, 30W Power Handling, Make: TOA Japan Model: BS-1030B or equivalent as approved by Engineer Incharge. Complete in all respect with mounting accessories.	9	No.	15,500.00	139,500.00	15,000.00	135,000.00
4.	Providing and Installing of Pendant Type Speakers with Aluminum enclosure, 30W Power Handling, Make: TOA Japan Model: PE-304 or equivalent as approved by Engineer Incharge. Complete in all respect with mounting accessories.	14	No.	16,200.00	226,800.00	16,000.00	224,000.00
5.	Providing and Installing of Unidirectional Dynamic Desktop Microphone, 14" Gooseneck with built-in on/off switch and remote chime control along with stand Make: Toa Japan Model: DM-1100 or equivalent as approved by Engineer Incharge.	3	No.	10,000.00	30,000.00	9,500.00	28,500.00

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S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
6.	Providing and Installing of UHF Wireless Microphone System with Three (03), Wireless Microphones, Make: TOA Japan, Model: WS- 5000 series or equivalent as approved by Engineer Incharge. Complete in all respect with Microphone Batteries, Battery Charger, Wireless Tuner & Transmitter etc.	3	No.	65,000.00	195,000.00	60,000.00	180,000.00
7.	Providing Cable for Microphones Make: Proal Italy, Model HPC 210 (100 meter roll) Complete in all respect with connecting pins.	1	Roll	25,000.00	25,000.00	20,000.00	20,000.00
TOTAL COST OF SECTION-14: (Non-Scheduled Items)				Total	896,300.00	Total	862,500.00

#### Section-15: PORTABLE ECHO SOUND SYSTEM (Non-Scheduled Items)

1.	Providing digital Mixer with 15 input Channels. Make TOA Japan Model: M-864 or equivalent as approved by Engineer Incharge. Complete in all respect.	1	No.	385,000.00	385,000.00	375,000.00	375,000.00
2.	Providing Power Amplifier Make TOA Japan Model: DA-550F (with 550W*4 lines) or equivalent as approved by Engineer Incharge. Complete in all respect.	1	No.	355,000.00	355,000.00	350,000.00	350,000.00
3.	Providing Modular speakers with upto 600 W Power handling. Make TOA Japan Model: Hx-5 or equivalent as approved by Engineer Incharge. Complete in all respect.	4	No.	90,000.00	360,000.00	85,000.00	340,000.00
4.	Providing Tripod Stands for above Speakers, complete in all respect.	4	No.	15,500.00	62,000.00	15,000.00	60,000.00
TOTAL COST OF SECTION-15: (Non-Scheduled Items)				Total	1,162,000.00	Total	1,125,000.00

#### Section-16: External Electrification (Scheduled Items)

1.	Providing & Laying of wiring for light or fan point with 2-3/0.029 PVC insulated cable in 20mm dia (3/4") PVC conduit recessed in wall or column as required. (ESI # 124 Page #15).	25	P. Point	1,130.00	28,250.00	1,130.00	28,250.00
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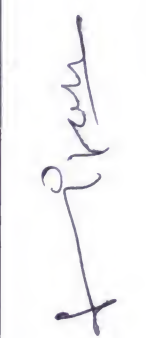
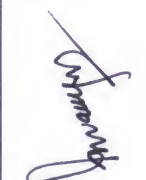


S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
2.	Providing & Laying (Mains or Sub-Mains) PVC Insulated with size 2-7/0.029 wire copper conductor in 20mm dia (3/4") PVC conduit recessed in the wall or column as required (Lightning Circuit). (ESI # 10 Page #2)	76	Mtr.	222.00	16,872.00	222.00	16,872.00
<b>TOTAL COST OF SECTION-16: (Scheduled Items)</b>			<b>(Rs.)</b>	<b>Total</b>	<b>45,122.00</b>	<b>Total</b>	<b>45,122.00</b>
<b>Premium above/below on the Scheduled Itmes</b>				<b>16% Above</b>	<b>7,219.52</b>	<b>15% Above</b>	<b>6,768.30</b>
				<b>Total</b>	<b>52,341.52</b>	<b>Total</b>	<b>51,890.30</b>

#### Section-17: External Electrification (Non-Scheduled Items)

1.	Providing & fixing of copper conductor with size 1-1.5 mm <sup>2</sup> as Earth Continuity Conductor (ECC) with any given mains or sub-mains in all system of wiring including metallic Electrical accessories (Approx Length).	76	Mtr.	55.00	4,180.00	50.00	3,800.00
2.	Providing and fixing of SP 10 A Switches with fancy sheets to house plug-socket, switch or regulator etc. on a given prepared board (Approx. Quantity)						
	Size 78 mm x 83 mm x 56 mm (LxWxD)	25	No.	310	7,750.00	300.00	7,500.00
3.	Providing and fixing of Plastic Back Box to accommodate mains or sub mains switches, plug socket units, Door Bell Buttons etc. on a given prepared board, recessed in the wall, as required. (Approx Quantity)						
	Size 78 mm x 83 mm x 56 mm (LxWxD)	25	No.	200	5,000.00	150.00	3,750.00
<b>TOTAL COST OF SECTION-17: (Non-Scheduled Items)</b>			<b>(Rs.)</b>	<b>Total</b>	<b>16,930.00</b>	<b>Total</b>	<b>15,050.00</b>

S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store, Khairpur		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-18: Light Fittings & Fixtures (Non-Scheduled items)							
1.	Providing, installing, fixing and connecting of following light fixtures with lamps, chokes, starters, capacitors etc, complete with all internal connections and all fixing and mounting accessories. Jobs includes rod and wiring as given in drawing.						
1.1	Pierlite Make P.1882 6.5 W or equivalent quality as approved by Engineer Incharge.	83	No.	6,600.00	547,800.00	6,500.00	539,500.00
1.1	Pierlite Make P.5090-L inground light 3W LED or equivalent quality, as approved by Engineer Incharge.	125	No.	5,600.00	700,000.00	5,500.00	687,500.00
1.2	Pierlite Make Star Flood Pro 180W or equivalent quality, as approved by Engineer Incharge.	20	No.	52,000.00	1,040,000.00	50,000.00	1,000,000.00
1.3	Philips Make OS DOWNLIGHT, 1 X 11W OPEN SAVER or equivalent quality as approved by EI.	1	No.	2,500.00	2,500.00	2,000.00	2,000.00
TOTAL COST OF SECTION-18: (Non-Scheduled Items)				Total	2,290,300.00	Total	2,229,000.00

<b>Section-19: WATER PUMP MOTOR (Scheduled Items)</b>							
1.	Providing and Laying (main or sub-main) PVC insulated with size 2-7/044 copper conductor in 18.75 mm (3/4") dia PVC conduit recessed in the wall or column as required. (ESI # 12, P # 2)	20	Mtr.	341.00	6,820.00	341.00	6,820.00
2	Providing and installing following items in motor DB						
	01 - 30 Amps. S.P, MCB (ESI #203, P # 31)	1	No.	916.00	916.00	916.00	916.00
	01 - 500 V Digital Voltmeter size 96/96 mm (ESI #285, P # 41)	1	No.	999.00	999.00	999.00	999.00
	01 - 50 Amps. Ammeter size 96/96 mm (ESI #284, P # 41)	1	No.	1,054.00	1,054.00	1,054.00	1,054.00
<b>TOTAL COST OF SECTION-19: (Scheduled Items)</b>				<b>Total</b>	<b>9,789.00</b>	<b>Total</b>	<b>9,789.00</b>
<b>Premium above/below on the Scheduled Itmes</b>				<b>16% Above</b>	<b>1,566.24</b>	<b>15% Above</b>	<b>1,468.35</b>
				<b>Total</b>	<b>11,355.24</b>	<b>Total</b>	<b>11,257.35</b>



S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-20: WATER PUMP MOTOR (Non-Scheduled Items)							
1.	Providing, installing and connecting of 2 HP, Mono Block Centrifugal Water Pump Motor, 1-phase, 240 volts, 50Hz, AC Power supply. (Make Meeco, Lahore Pakistan or equivalent as approved by EI).	1	No.	25,500.00	25,500.00	25,000.00	25,000.00
2.	Providing and installing 18 SWG sheet steel surface mounted box, anti-rust treated and painted, complete with all respect including following accessories;	1	No.	10,500.00	10,500.00	10,000.00	10,000.00
3.	02 - ON/OFF indication lamps (Red, Green)	2	No.	200.00	400.00	200.00	400.00
	Providing and laying of hard drawn bare copper conductor size 4mm² as ECC with wiring of 2 HP Water Pump Motor in 18.75 mm (3/4") dia rigid PVC conduit recessed in ground / floor as required.	20	Mtr.	80.00	1,600.00	75.00	1,500.00
	Cost of Section-20: (Non-Scheduled Items)		(Rs.)	Total	38,000.00	Total	36,900.00

<b>Section-21: DISTRIBUTION BOARDS (Scheduled Items)</b>							
1.	Providing of Main Distribution Board (MDB) fabricated of 14 SWG sheet steel clad, free standing, floor mounting type for 3 phase, 500 volts, 50 Hz, A.C Power supply and having the following configurations. (All equipment to be rated minimum 25 kA short circuit).						
1.1	<b>Main Distribution Board (MDB-I) for AC Load Incoming</b> 01 - 150A (XS-225NS), T.P, M.C.C.B (ESI # 208, Page # 31)	1	No.	25,541.00	25,541.00	25,541.00	25,541.00









S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
	03 - Providing and fixing Current, Transformer rating 150/5A (round) RLC-30 as required and as per instruction of Engineer Incharge. (ESI # 271, Page # 39)	3	No.	1,411.00	4,233.00	1,411.00	4,233.00
	<b>Outgoing</b>						
	02 - 40 A.T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31). For Basement & G-I Floor	2	No.	9,261.00	18,522.00	9,261.00	18,522.00
	01 - 100 A, T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31). For G-II Floor	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	01 - 150 A, T.P, M.C.C.B (XS-225NS) (ESI # 208, P # 31) for DG set	1	No.	25,541.00	25,541.00	25,541.00	25,541.00
1.2	<b>Main Distribution Board (MDB-II) for L&amp;F + GP Load</b>						
	<b>Incoming</b>						
	01 - 400A T.P setting 250-400amp (XS-250CJ), M.C.C.B (ESI # 210, Page # 31)	1	No.	39,401.00	39,401.00	39,401.00	39,401.00
	03 - Providing and fixing Current Transformer rating 400/5A (round) RLC-50 as required and as per instruction of Engineer Incharge. (ESI # 274, Page # 39)	3	No.	1,851.00	5,553.00	1,851.00	5,553.00
	<b>Outgoing</b>						
	01 - 20 A.T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31). For LDB-II	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	01 - 40 A.T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31). For LDB-II	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	01 - 100 A, T.P, M.C.C.B (XS-100NS) (ESI # 207, P # 31). For PDB	1	No.	9,261.00	9,261.00	9,261.00	9,261.00
	01 - 150 A, T.P, M.C.C.B (XS-225NS) (ESI # 208, P # 31) for DG set	1	No.	25,541.00	25,541.00	25,541.00	25,541.00
	<b>Cost of Section-21:(Scheduled Items)</b>		(Rs.)	<b>Total</b>	<b>181,376.00</b>	<b>Total</b>	<b>181,376.00</b>
	<b>Premium above/below on the Scheduled Itmes</b>			<b>16% Above</b>	<b>29,020.16</b>	<b>15% Above</b>	<b>27,206.40</b>
				<b>Total</b>	<b>210,396.16</b>	<b>Total</b>	<b>208,582.40</b>

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S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
Section-22: DISTRIBUTION BOARDS (Non-Scheduled Items)							
1.	Providing of Main Distribution Board (MDB) fabricated of 14 SWG sheet steel clad, free standing, floor mounting type for 3 phase, 500 volts, 50 Hz, A.C Power supply and having the following configurations. (All equipment to be rated minimum 25 kA short circuit						
1.1	Main Distribution Board (MDB-I) for HVAC Load	1	No.	85,000.00	85,000.00	80,000.00	80,000.00
	Incoming						
	02 - On/Off Indication Lights (Red, Green) Model 8LP2T 1LM, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	2	No.	250.00	500.00	200.00	400.00
	03 - Phase Indication Lights (Red, Yellow, Blue) 220V, Model 8LP2T 1LM, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	3	No.	250.00	750.00	200.00	600.00
	01- CT Operated Digital Multimeter & Electrical Analyzer with voltage, ampss, kW, kVAR, kVA, PF, Hz, kVARh, Hour Counter options, Total 49 Electrical Parameters, Size: 96 x 48 mm, Model: DMK-16, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	1	No.	32,000.00	32,000.00	30,000.00	30,000.00
	Change over switch Model no. 41AC 4025 Make Socomac, France capacity 250 Amps, 4-pole or equivalent as approved by Engineer Incharge.	1	No.	425,000.00	425,000.00	400,000.00	400,000.00
1.2	Main Distribution Board (MDB-II) for L&F + GP Load	1	No.	85,000.00	85,000.00	80,000.00	80,000.00

S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
	Incoming						
	02 - On/Off Indication Lights (Red, Green) Model 8LP2T 1LM, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	2	No.	250.00	500.00	200.00	400.00
	03 - Phase Indication Lights (Red, Yellow, Blue) 220V, Model 8LP2T 1LM, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	3	No.	250.00	750.00	200.00	600.00
	01 - CT Operated Digital Multimeter & Electrical Analyzer with voltage, ampss, kW, kVAR, kVA, PF, Hz, kVARh, Hour Counter options, Total 49 Electrical Parameters, Size: 96 x 48 mm, Model: DMK-16, Make Lovato Italy or Equivalent as approved by Engineer Incharge).	1	No.	32,000.00	32,000.00	30,000.00	30,000.00
	Change over switch Model no. 41AC 4025 Make Socomac, France capacity 250 Amps, 4-pole or equivalent as approved by Engineer Incharge.	1	No.	75,000.00	75,000.00	70,000.00	70,000.00
Cost of Section-22: (Non-Scheduled Items)				Total	736,500.00	Total	692,000.00

#### Section-23: MAIN FEEDERS & CABLES(Non-Scheduled Items)

1.	Providing, laying & connecting of 120 mm <sup>2</sup> , 4 Core, CU/XLPE/PVC, 600/1000V, Unarmoured Cable from Substation to Main Distribution Board laid in ground in 75 mm (3") PVC (D-Class) conduit including digging of earth and making of C.C Manholes with covers at required distance for pulling of cables job also involves refilling of Earth and providing cable markers for route of L.T cable as per specifications.(Distt S/s to MDB II for L&F + GP Loads)	140	mtr.	5,200.00	728,000.00	5,000.00	700,000.00
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S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
2.	Providing, laying & connecting of 50 mm <sup>2</sup> , 4 Core, CUXLPE/PVC, 600/1000V, Unarmoured Cable from Substation to Main Distribution Board laid in ground in 75 mm (3") PVC (D-Class) conduit including digging of earth and making of C.C Manholes with covers at required distance for pulling of cables job also involves refilling of Earth and providing cable markers for route of L.T cable as per specifications. (Distt S/s to MDB I for HVAC Loads)	140	mtr.	2,600.00	364,000.00	2,500.00	350,000.00
TOTAL COST OF SECTION-23:(Non-Scheduled Items)				Total	1,092,000.00	Total	1,050,000.00

#### Section-24: AC Equipment & Installation (Non-Scheduled Items)

1.	Supply and installation of Air-cooled Split type Air conditioning units complete with controls and accessories and foundations for outdoor units. Complete with Refrigerant piping, valves, fittings, Refrigerant charge and oil charge.						
	a) Wall Mounted, Air-Cooled Split Type Air Conditioners, cooling capacity, 24,000 BTU/HR, 2.0 Ton	2	No.	96,000.00	192,000.00	95,000.00	190,000.00
	b) Cassette Mounted, cooling capacity 48,000 BTU/HR, 4.0 Ton.	11	No.	325,000.00	3,575,000.00	321,000.00	3,531,000.00
	c) Floor Stand, of Gree make Model no GF-24FW, cooling capacity, 24,000 BTU/HR, 2.0 Ton	4	No.	182,000.00	728,000.00	180,000.00	720,000.00
2.	UPVC piping class D for equipment drain system complete with fittings, Specialities & Accessories for units of item # 1.	13	No.	7,650.00	99,450.00	7,500.00	97,500.00
3.	4 oz, weight coarse and 8 oz canvas cloth for pipe installation, jacketing.	13	No.	7,650.00	99,450.00	7,500.00	97,500.00
4.	Formatted plastic pipe insulation for refrigerant piping complete with accessories.	13	No.	7,650.00	99,450.00	7,500.00	97,500.00








S.No	DESCRIPTION	QTY.	UNIT	M/s G.A Electric Store,		M/s Gul Traders, Hyderabad	
				RATE(RS)	AMOUNT(RS)	RATE(RS)	AMOUNT(RS)
5.	3" Dia U-PVC conduit riser from Indoor Unit to Outdoor Unit (Outdoor Unit to be placed on Roof / Mounted in Wall as per site requirement) for laying of Refrigerant Pipes and Electric Cable for each individual AC Unit.	13	No.	550.00	7,150.00	500.00	6,500.00
TOTAL COST OF SECTION-24: (Non-Scheduled Items)				Total	4,800,500.00	Total	4,740,000.00

#### Section-25: Wiring for the supply of AC units (Scheduled Items)

Note: Wiring plus Circuit Breakers/ Switches etc. will be installed for 17 AC's as Detailed Below							
1.	Providing & laying (Main or Sub Main) PVC Insulated & PVC Sheathed with 4 Core copper conductor 300/500 volts size 7/0.036 (4mm) in PVC Conduit in Wall/Column/floor/false ceiling as required. (ESI # 99, P # 12)	268	mtr.	361.00	96,748.00	361.00	96,748.00
2.	Providing and fixing of MCB's for AC of following size in Plastic Box (ESI # 203, P # 31) a) 20A, S.P, M.C.B (TB-5S) (ESI # 203 P # 31) for 2.0 TR AC. b) 40A, S.P, M.C.B (TB-5S) (ESI # 203 P # 31) for 4.0 TR AC.	6	No.	916.00	5,496.00	916.00	5,496.00
		11	No.	916.00	10,076.00	916.00	10,076.00
TOTAL COST OF SECTION-25: (Scheduled Items)				Total	112,320.00	Total	112,320.00
Premium above/below on the Scheduled Items				16% Above	17,971.20	15% Above	16,848.00
				Total	130,291.20	Total	129,168.00

#### Section-26: Wiring for the supply of AC units (Non-Scheduled Items)

1.	Providing laying and connecting of 2-4 mm <sup>2</sup> copper conductor as ECC with the wiring of A/C in 25 mm (1") dia rigid PVC conduit in ground/floor/false ceiling as required.	268	Mtr.	210.00	56,280.00	200.00	53,600.00
2.	Providing and fixing of Plastic Board recessed in the wall or columns as required and covered with plastic sheet to house MCB's used for AC as a switch of following size. (Recommended Plastic Box of M/s Opal) b) Size 78 mm x 83 mm x 56 mm (LxWxD)	13	No.	62.00	806.00	60	780.00
TOTAL COST OF SECTION-26: (Non-Scheduled Items)				Total	57,086.00	Total	54,380.00

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